

ENGINEERING REPORT
RE APPLICATION FOR LICENSE TO COVER
THE CONSTRUCTION PERMIT
(FCC FILE NO. BMPFT-20060823AAF)
FOR FM TRANSLATOR STATION
K257AU, PAONIA, COLORADO
CH.257 (99.3 MHZ) 250 WATTS MAX ERP 2103 METERS RCAMSL

OCTOBER 2006

COHEN, DIPPELL AND EVERIST, P.C.
CONSULTING ENGINEERS
RADIO AND TELEVISION
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.


City of Washington)
) ss
District of Columbia)

Martin R. Doczkat being duly sworn upon his oath, deposes and states that:

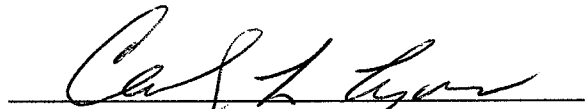
He is a graduate electrical engineer of the Pennsylvania State University, and is a staff engineer at Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That the attached engineering report was prepared by him or under his supervision and direction and

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.


Martin R. Doczkat

Subscribed and sworn to before me this 2nd day of October, 2006.


Notary Public

My Commission Expires: 2/28/2008



Introduction

This engineering report has been prepared on behalf of CCR-Montrose IV, LLC ("CCR"), licensee of FM broadcast station KKXK, Montrose, Colorado, in support of its application for license to cover pursuant to the outstanding construction permit (FCC File No. BMPFT-20060823AAF) for FM translator station K257AU, Paonia, Colorado. K257AU provides "fill-in" service and re-broadcasts the signal of KKXK which operates on Channel 231 (94.1 MHz). The FM translator will operate on Channel 257 (99.3 MHz) with 250 watts maximum effective radiated power ("ERP") (horizontal polarization) using a directional antenna at 2103 meters antenna radiation center above mean sea level ("RCAMSL"). No changes are proposed from the outstanding construction permit (FCC File No. BMPFT-20060823AAF).

Antenna Location

K257AU is authorized to locate the transmitting antenna at a radiation center above ground level ("AGL") of 14 meters on the existing tower located on Wakefield Mesa off Delta County Road 035.

The geographic coordinates of the authorized site are as follows:

North Latitude: 38° 52' 28.3"

West Longitude: 107° 39' 40.4"

Tower Registration No. 1239990

Equipment Data

Transmitter: Crown, Type approved, rated at 100 watts

Transmission Line: 20 meters of Belden, Type 8813

Antenna: Scala, custom, one 5-element and one 10-element yagi, horizontally polarized, directional, with major lobe directions at N 75° E, T and N 210°, E T, respectively.

Power Data

Transmitter output power	0.062 kW
Transmission line efficiency	92.3% (0.348 dB loss)
Power input to antenna	0.057 kW
Maximum antenna power gain	4.4 (6.4 dB)
Maximum Effective Radiated Power	0.250 kW

Elevation Data

Overall structure height above ground	36.6 meters
Elevation of site	2089.4 meters
Height of antenna radiation center above ground	14 meters
Height of antenna radiation center above mean sea level	2103.4 meters

Constructed Facility Certification

The K257AU facility has been constructed as authorized in its outstanding construction permit (FCC File No. BMPFT-20060823AAF).

Special Operating Conditions


CCR certifies that K257AU will reduce power or cease operation when necessary to protect persons from radio frequency electromagnetic fields in excess of FCC guidelines. Further, the K257AU tower site is bounded by a fence where radiofrequency electromagnetic field warning signs have been posted at approximate intervals of sixty feet.

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name Martin R. Doczkat		Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature 		Date October 2, 2006	
Mailing Address Cohen, Dippell and Everist, P.C. 1300 L Street N.W. Suite 1100			
City Washington	State or Country (if foreign address) DC	ZIP Code 20005	
Telephone Number (include area code) 202-898-0111		E-Mail Address (if available) cde@attglobal.net	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001),
AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)),
AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Section III - Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel: _____
2. Effective Radiated Power: _____ kW (H) _____ kW (V)
3. Transmitter Power Output: _____ kW

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

CERTIFICATION

All applicants must complete this section.

4. **Constructed Facility.** The facility was constructed as authorized in the the underlying construction permit. ☐ Yes ☐ No

See Explanation
in Exhibit No.
5. **Special Operating Conditions.** The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. ☐ Yes ☐ No

See Explanation
in Exhibit No.

An Exhibit may be required. Review the underlying construction permit.

Exhibit No.
6. **Transmitter Power Output.** The operating transmitter power output produces the authorized effective radiated power. ☐ Yes ☐ No

See Explanation
in Exhibit No.
7. **Directional Antenna.** The facility does not use a directional antenna or the antenna is mounted in accordance with the specific instructions provided by the antenna manufacturer and is oriented in the proper direction. ☐ Yes ☐ No

See Explanation
in Exhibit No.

PREPARER'S CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.